

PRE-FLIGHT CHECKLIST FOR PERSONAL EQUIPMENT SECTION

# 4019

1. Pre-Breathing Room (T.O. Minus 2:20):

- ☒ a. Orderliness
- ☒ b. Security
- ☒ c. Utilities (Electricity - Air Conditioning)

2. Ground Vehicle Check (T.O. Minus 2:20):

- ☒ a. Walk Around check
- ☒ b. Starting
- ☒ c. On Board: Spare Pack (1) - Facepiece (1) - D-2, 425 psi (2) - Cushions (2) - Parachutes (2).

3. Aircraft Oxygen Check (T.O. Minus 2:20):

- ☒ a. Position Seat Pack in cockpit
- ☒ b. Oxygen pressure 1800 to 2000 psi
- ☒ c. Connect oxygen and check for flow
- ☒ d. Check radio through seat pack
- ☒ e. Check face piece heat on normal and by-pass
- ☒ f. Arrange placement of seat belt, harness, seat pack leads

4. Pre-Breathing (T.O. Minus 2:00):

- a. Oxygen manifold and reduction system "ON"
- b. 150 psi connected to console
- c. Console check - flow and pressure 2 to 3 mm Hg
- d. Fit underwear to pilot
- e. Check and fit helmet assembly to pilot
- f. Connect face piece to console - turn "ON"
- g. Pre-breath pilot and note time "ON"

5. Check Personal Equipment:

- ☒ a. Suit condition
- ☒ b. Helmet
- ☒ c. Gloves

- ~~1d.~~ Boots
  - ~~1e.~~ Parachute
  - ~~1f.~~ Coveralls
  - ~~1g.~~ Face piece and carrier
  - ~~1h.~~ Store items in sequence of wear after check.
  - ~~1i.~~ Periodically insure pilot's oxygen supply adequacy and comfort
6. Clothing Pilot (T.O. Minue :30):
- ~~1a.~~ Fit Pilot's suit assembly plus coveralls. Check all zippers, lacings and general appearance.
  - ~~1b.~~ Drinking water
  - ~~1c.~~ Remove pilot from console (Time noted); connect to D-2 charged 425 psi
  - ~~1d.~~ Escort pilot to vehicle and plane
7. At Aircraft (T.O. Minus :20):
- ~~1a.~~ Fit parachute and back pack to pilot
  - ~~1b.~~ General evaluation of all garments
  - ~~1c.~~ Pilot hook-up in aircraft: Seat pack hook-up; engage capstan and breathing supply hoses; engage flight face piece to "T" block; connect amphenol; connect "U" plug; oxygen "ON"; check flow and change face piece; shoulder harness and seat belt; face piece heat check; press to test and check inflation.
  - ~~1d.~~ Recheck all items - get pilots approval
  - ~~1e.~~ Technician and vehicle remain "on line" until aircraft departure.
8. Post Flight:
- ~~1a.~~ Report to aircraft at "Switch Off" time.
  - ~~1b.~~ Assist pilot out of aircraft and remove headgear.
  - ~~1c.~~ Remove personal equipment from cockpit.
  - ~~1d.~~ Return pilot to operations.
  - ~~1e.~~ Assist in removing clothing.
  - ~~1f.~~ Clean and perform minute inspection of all equipment.
  - ~~1g.~~ Report to de-briefing for pilot report.